ABSTRACT

A humidity control system having an outside temperature humidity compensator circuit responsively coupled to an outside temperature sensing circuit and capable of responding to sensed inside humidity levels to provide control signals to a humidity controller to automatically adjust the target in-room humidity produced by a controller as a function of sensed changes in outside temperature is described. The compensator circuit provides two variables to allow control of both the level of humidity at a specified temperature and the rate of humidity change with changes in outside temperature, and provides a means to limit the highest humidity level that is independent of the controlling variables. Switching is shown to allow the compensator circuit to be switched out of operation and to allow it to be momentarily bypassed.